



DEPARTMENT OF THE NAVY

NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 20361-0001

IN REPLY REFER TO
NAVAIRINST 5400.31E
AIR-1002
25 Apr 89

NAVAIR INSTRUCTION 5400.31E

From: Commander, Naval Air Systems Command

Subj: DESIGNATION OF THE RECONNAISSANCE AND ELECTRONIC WARFARE SYSTEMS
OFFICE, NAVAIR (PMA253)

Ref: (a) DoD Directive 5000.1 of 1 Sep 87
(b) NAVAIRINST 5400.1B
(c) NAVAIRINST 5400.108
(d) NAVAIRINST 5400.14C
(e) SECNAVINST 5000.1C
(f) NMPC ltr 1611 NMPC-323 of 24 Aug 87 (NOTAL)

Encl: (1) Charter for the Reconnaissance and Electronic Warfare Systems
Office, NAVAIR Program Manager (PMA253)

1. Purpose. This instruction continues the Reconnaissance and Electronic Warfare Systems (REWS) Program as a designated program under direction of the Commander, Naval Air Systems Command (COMNAVAIR); redesignates the REWS Program as the Reconnaissance and Electronic Warfare Systems Office, NAVAIR (REWSO) (PMA253); and issues a revised charter that provides the program's scope, operating relationships, resources, and delineates the authority and responsibility of the REWSO Program Manager (PM).

2. Cancellation. This instruction supersedes NAVAIR Instruction 5400.31D of 12 October 1982. Since this is a major revision, changes have not been indicated.

3. Background

a. The REWS Program was established 13 February 1964, to provide centralized integration and coordination of the Bureau of Naval Weapons (title for the Naval Air Systems Command (NAVAIR) during this time) work effort into the overall Reconnaissance, Electronic Warfare, Special Operations, and Naval Intelligence Systems Project (PME-107) of the (former) Naval Electronic Systems Command (NAVELEX), following NAVELEX and the (former) Naval Material Command (NAVMAT) guidance.

b. Management responsibility for the Tactical Air Reconnaissance Pod System was transferred from PMA253 to the F-14 Aircraft/Phoenix Missile Weapon System (PMA241) by NAVAIR Notice 5400 of 14 January 1983.



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4. Scope

a. The scope of the REWSON Program includes the definition, development, test and evaluation, acquisition, and initial support and readiness improvement of assigned airborne reconnaissance and EW systems. This includes subsystems and components (as applicable), spares, repair parts, peculiar and common support equipment, Naval air maintenance trainers, and all supporting documentation. Procurement will include quantities for the Navy, USMC, and foreign military sales.

b. Funds listed in the Five Year Defense Program and assigned to the PM to obligate in executing program objectives are included in the Reconnaissance and EW system program elements (PE's). PE's are as follows and additional PE's may be assigned in direct support of REWSON mission programs:

Research Development Test and Evaluation, Navy (RDT&E,N)

<u>Program Element</u>	<u>Title</u>	<u>Project Number</u>
0603109N	INEWS Advanced Development	W1953
0604270N	Consolidated EW	
	Tactical Airborne EW	W0638
035885G	EP-3 Sensor System Improvement	06004
035885G	ES-3 Battle Group Horizon Extension System	05502
0603261N	Tactical Airborne Reconnaissance	W0534
0604255N	EW Simulator Development	
	Electronic Warfare Environmental Simulation	W0602
	Closed Loop Test Capability	W1778

Aircraft Procurement, Navy (APN)

<u>Title</u>	<u>OSIP NUMBER</u>	<u>Subhead</u>
ALQ-126B	110-79	45CY
EP-3	48-81	45CR
ALR-67	114-85	45CY
ALQ-162	115-85	45CY
AAR-47	72-88	45CY

Other Procurement, Navy (OPN)

<u>Title</u>	<u>Subhead</u>
Airborne Expendable Countermeasures	43Q5

c. Acquisition categories (ACAT) of assigned programs include ACAT II, III, and non-ACAT. This includes programs in either development or production and includes Navy, USMC, and joint service tactical reconnaissance and EW programs.

d. The PM's billet (military officer (06)) is equivalent to a major command.

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i. Maintain a continuing review of operational requirements, including inventory objectives, established by higher authorities for the program to ensure timeliness, accuracy, consistency and compatibility with program plans and funding availability. When inconsistent and incompatible requirements and objectives cannot be resolved by the PM, the problems and recommendations will be submitted, in writing, to COMNAVAIR and appropriate higher authorities for resolution.

j. Assess periodically the readiness condition of the REWSON systems and identify causes for nonreadiness. When material readiness is unsatisfactory, the PM will initiate corrective actions within the scope of the resources available to the program and coordinate other actions as necessary to correct causes of unsatisfactory readiness.

k. Maintain a continuing review of logistic support provided by participating organizations to ensure that such support is compatible with approved program and operating objectives. When deficiencies in such support cannot be resolved by the PM, the problems and recommendations will be submitted in writing to COMNAVAIR and appropriate higher authorities for resolution.

l. The PM will ensure that test and evaluation master plans are prepared. Liaison will be maintained with cognizant personnel at the NAVAIR test and evaluation activities during development test and evaluation, and jointly assure COMNAVAIR concerning the readiness of the systems for operational evaluation and fleet use. The PM will maintain active liaison with cognizant personnel in OPNAV, the Operational Test and Evaluation Force and the Office of the Secretary of Defense on the operational test and evaluation of the systems. When concurrent evaluations (technical and operational) are conducted, the PM will ensure that NAVAIR's responsibilities for the technical phases are coordinated and accomplished. Contractor tests and demonstrations will be performed per original and follow-on contracts.

m. Representatives of NAVAIRHQ's functional organizations will be assigned as members of the PM's program team and will plan and implement program efforts under established procedures, following references (b) through (e). When conflicts between program and functional policies and objectives develop that cannot be resolved, the matter will be referred to COMNAVAIR for resolution. Actions directed by the PM will be continued during the period pending resolution.

n. Direct the development and procurement of test and peculiar support equipment, technical documentation, trainers, training equipment and devices as required through contractors and appropriate Navy logistic support activities. The Assistant Commander for Fleet Support and Field Activity Management (AIR-04), will develop budgetary and quantitative requirements and direct procurement of investment spares and repair parts. Requirements of the REWSON PM will be given maximum support in development of requirements. Concurrence of the REWSON PM on program requirements will be obtained prior to budgetary submissions and prior to obligation of the REWSON funds. NAVAIR,

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the mission performance of the REWSON Program throughout its life cycle, makes recommendations, as appropriate, and advises COMNAVAIR of program status and progress. When PDA12 is unavailable and urgency dictates immediate communication with COMNAVAIR, the PM will brief PDA12 as soon as possible.

8. Specific Interface and Operating Relationships. The PM will accomplish the following:

a. Coordinate appropriate interface segments of the program with other PM's and systems commands to ensure a totally coordinated effort and establish and issue design interface specifications to ensure weapon systems integration. Interface problems not resolved will be referred directly to the appropriate senior management official.

b. Maintain special liaison with PM's of candidate aircraft for REWSON systems to ensure coordinated planning, integration and support of the total REWSON requirements. This includes: establishment of criteria; coordination of applicable plans, schedules, and funding requirements; and the appraisal of work efforts. The PM will coordinate and integrate system work efforts involving development, test and evaluation, acquisition and support.

c. Provide liaison with aircraft PM's as required to ensure compatibility of systems interface and to support production and logistic support management efforts, as applicable. Aircraft PM's will have prime management and funding responsibility for production and logistic support of those systems and equipments considered an integral part of aircraft systems for those aircraft in production.

d. Maintain active liaison with cognizant program coordinators in the Office of the Chief of Naval Operations (OPNAV) and Commandant of the Marine Corps (CMC), via the chain of command and following the Navy Programming Manual. The PM will keep the foregoing personnel fully informed of the status and progress of the program through formal and informal communication. OPNAV and CMC will direct and control the activation and deployment of the weapon systems into fleet units.

e. Maintain a close liaison with appropriate contracting officers, notifying them of all actions which may affect contracts.

f. Provide advice, guidance and assistance, when required, to participating organizations on common support and test equipment in order for planning, procurement, and for timely deliveries of such equipment in support of REWSON.

g. Keep the Office of Vice Commander (AIR-09), Military Affairs Officer (AIR-09X) informed of military personnel requirements.

h. Report in writing, to COMNAVAIR and other appropriate management officials, any pattern of failures affecting REWSON systems or their capabilities, components, or related equipment in order that decisions regarding continued effort to fulfill requirements can be made by appropriate officials to ensure maximum economy and effectiveness.

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through its commodity managers, and the Naval Supply Systems Command, through its inventory control points, will provide Navy follow-on and replenishment support for the items indicated in this subparagraph.

o. Provide overall direction for procurement of maintenance and operator trainers and equipment. Technical requirements for the trainers will be issued in the training plan. The development of technical requirements will be coordinated by the Aviation Training Systems Program (PMA205) through joint action of military characteristics conferences and detail design conferences attended by representatives of OPNAV, fleets, NAVAIR, training commands, Naval Training Systems Center (NTSC), and others as appropriate. Procurement of operator and maintenance trainers and equipment will be through the facilities of NAVAIR utilizing NTSC, as appropriate, and as approved by the PM.

p. The PM will respond to the DSAP requirements. The PM will provide overall initiation, guidance, coordination, and review of United States contracts and Navy efforts in logistically supporting and sustaining in-country inventory of weapons systems under cognizance of the PM, as required by the recipient foreign country. The PM will maintain close liaison with the NAVAIRHQ Defense Security Assistance Division (AIR-103), the Naval Supply Systems Command (SUP-07), and OPNAV (OP-63) on DSAP matters.

q. The PM will maintain liaison with Army and Air Force PM's managing other service REWSON type systems to ensure identification of potential opportunities for joint service projects. The PM will nominate candidate joint service projects, in writing, to COMNAVAIR and will provide rationale for the nomination and the recommended terms of reference for the joint project.

r. The PM will function as the NAVAIR representative for all joint service projects involving applicable REWSON type systems. The PM will function as PM for those joint service projects for REWSON type systems for which NAVAIR has been designated the executive agency, provided the project has not been specifically chartered to another PM. The PM will represent COMNAVAIR, subject to Navy requirements, procedures, and approval, during all joint service project negotiations.

s. The PM will function as the Navy Representative for the EW Airborne Expendables Sub-Group, via the Self-Protection Working Group of the Joint Coordinating Group for EW which reports to the Joint Logistics Commanders.

9. Program Staffing Organization. PMA253 will be organized by and will function under direction of the PM. The program office organization is shown in attachment A of this enclosure.

10. Participating Organizations

a. All elements of NAVAIRHQ will provide support to the PM following established procedures outlined in references (b) through (d). The PM is authorized direct liaison with all NAVAIRHQ divisions and directorates in the exercise of responsibilities. Other key manpower resources are provided in attachment B of this enclosure.

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e. This is a major program.

5. Authority and Responsibilities

a. Mission. The PM's primary mission is to provide to the operating forces of the Navy and USMC fully developed, supportable and reliable reconnaissance and EW systems which will satisfy approved operational requirements. The PM will manage joint service programs for tactical reconnaissance and EW systems for which NAVAIR has been designated as the technical lead agency and will manage Navy and USMC participation in joint service programs for which NAVAIR has been designated as a participating agency. The PM will manage the acquisition and support of similar systems for foreign governments, when required, in support of defense security assistance programs (DSAP's).

b. General. The PM is the single central executive responsible for successfully managing the program and accomplishing the objectives of this charter. The PM has broad directive authority within the scope of the program over planning, organization, direction, control, and use of program resources to meet Department of Defense requirements, and also has authority over program efforts of Navy in-house and contractor organizations, including assignment of responsibility as appropriate, to various Naval Air Systems Command Headquarters (NAVAIRHQ) functional elements, following the overall framework outlined in references (a) through (e). As the responsible executive, the PM is expected to act on matters affecting the program. In those cases where action is required beyond the authority granted in this charter, the PM will refer the action to higher authority, with recommendations, including alternatives available.

c. Specific. The PM is authorized to prepare and sign fitness reports for all military personnel (Commander and below) assigned full time to the Program Office, and execute performance evaluations for applicable civilian personnel assigned full time to PMA253. The PM is also authorized to submit concurrent fitness reports on other military personnel junior to the PM, and concurrent evaluations on other civilian employees working for PMA253 in functional management, under the authority of this charter and reference (f).

6. Limitation of Authority. Limitations of the PM's delegated authority are as follows:

a. The PM does not have the authority to deviate from established policy.

b. Communication, action or inaction, in any form which contractors may interpret as directional, will be conducted through an appropriately assigned contracting officer.

7. Relationship to Chartering Authority. The PM receives authority from, and is directly accountable to the Commander, Naval Air Systems Command (COMNAVAIR) for discharge of the latter's responsibilities as Program Executive Officer (references (a) and (e)). The Program Director Air for EW and Mission Support Programs (PDA12) ensures commonality, interoperability, multi-platform integration for warfare/mission areas, monitors and evaluates

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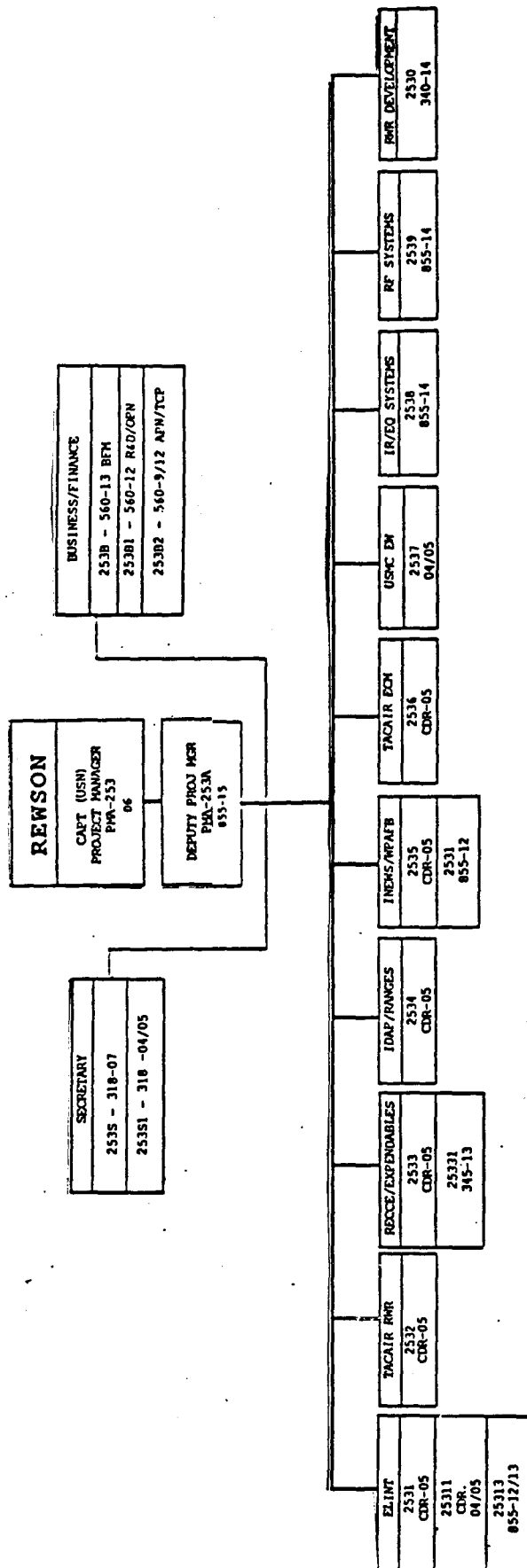
OTHER KEY MANPOWER RESOURCESASSISTANT PROGRAM MANAGERS AND PROGRAM SUPPORT OFFICERS

<u>Title</u>	<u>Code</u>
Acquisition Project Manager, Research and Development	AIR-935
Assistant Deputy for Support Aircraft, EP-3E/ES-3	PMA20512
Contracts, EP-3E/ES-3	AIR-215C
Contracts, AN/ALG-126, 164	AIR-21521D
Contracts, AN/ALG-162	AIR-21536N
Assistant Program Manager, Logistics, Tactical Air Radar Warning Receiver, ALR-67/APR-43	AIR-41022A
Assistant Program Manager, Logistics, Defensive Electronic Countermeasures/Reconnaissance	AIR-41022B
Assistant Program Manager, Logistics, EP-3E Avionics	AIR-41022L
Assistant Program Manager, Logistics, EP-3E	AIR-41032G
Assistant Program Manager, Logistics, ES-3 Avionics	AIR-41036B
Assistant Program Manager, Logistics, Expendables	AIR-4181D5
Logistics Manager, Electronic Warfare, Support Equipment	AIR-41732B
Class Desk, EP-3E	AIR-5114C
Avionics Systems Program Officer, EP-3E/ES-3	AIR-546D1H
Project Engineer, Tactical Air Radar Warning Receiver, APR-43	AIR-54623G
Defensive Electronic Countermeasures Project Manager, AN/AIG-126B, 164	AIR-54621F
Project Engineer, ALR-67 Tactical Air Radar Warning Receiver	AIR-54622N

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RECONNAISSANCE AND ELECTRONIC WARFARE SYSTEMS PROGRAM (PMA253)



Attachment A
Encl (1)

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OTHER KEY MANPOWER RESOURCES (Con.)

ASSISTANT PROGRAM MANAGERS AND PROGRAM SUPPORT OFFICERS

Engineer, Expendables Radio Frequency	AIR-54621I
Engineer, Expendables	AIR-54622C
Engineer, Expendables	AIR-54623F
Tactical Air Radar Warning Receiver Support	AIR-54662B
Project Officer, Tactical Air Electronic Warfare Support Equipment	AIR-55223G

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b. Activities participating in the execution of the program are listed in attachment C of this enclosure, and other activities may be added as approved by higher authority. Direct liaison with all activities concerned with the program is authorized. Under the PM's guidance, formal work assignments to field activities will be coordinated by the appropriate functional organization in NAVAIRHQ. Work assignments to activities not under NAVAIRHQ cognizance will be cleared initially with appropriate headquarters organizations, as required per established procedures.

11. Congressional and Public Information. COMNAVAIR is responsible for coordination and dissemination of public information relative to the program within the Department of the Navy, to legislative bodies, industry, and the general public. This responsibility has been delegated to the NAVAIRHQ Congressional and Public Affairs Office (AIR-07D).

12. Resources Assessment

a. The PM will evaluate and document the effect of proposals to increase or decrease the resources authorized for the execution of the program and will determine the effect of proposed changes on approved cost, schedules, procurement plans, and performance objectives. The PM's evaluation will be considered by officials having final decision authority during programming, reprogramming, and budgeting deliberations.

b. OPNAV will be informed through channels in any instance where the requirements of the program cannot be met within the resources and time available.

13. Program Transition or Disestablishment. The programs being executed by PMA253 will be reviewed periodically to determine status of individual systems. If the review indicates that a particular system is nearing completion of the production cycle, and only spares and repair parts procurement actions will be required in the future, the PM will initiate a transition plan to ensure a smooth disposition of remaining resources, responsibilities, and functions.

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ACTIVITIES PARTICIPATING IN THE PROGRAM

<u>Activity</u>	<u>Location</u>	<u>Examples/Type of Work</u>
Operational Test and Evaluation Force	Norfolk, VA	Operational test and evaluation
Naval Research Laboratory	Washington, DC	Advanced system concepts
Pacific Missile Test Center	Pt. Mugu, CA	Software integration
Naval Air Development Center	Warminster, PA	Antennas, aircraft integration
Naval Air Propulsion Center	Trenton, NJ	Engine signature analysis
Naval Air Test Center	Patuxent River, MD	Development test and evaluation
Naval Avionics Center	Indianapolis, IN	Quality and production support
Naval Air Engineering Center	Lakehurst, NJ	Group support equipment
Naval Ordnance Station	Indianhead, MD	Rockets and flare development
Naval Aviation Supply Office	Philadelphia, PA	Spares and logistics support
Naval Air Technical Services Facility	Philadelphia, PA	Publications and technical data
Naval Ocean Systems Center	San Diego, CA	Millimeter wave warning systems development
Naval Surface Weapons Center	Dahlgren, VA	EP-3 software integration
Naval Weapons Center	China Lake, CA	Threat system simulation, system test
Naval Weapons Support Center	Crane, IN	Logistics and maintenance support, expendables test

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Attachment C
Encl (1)

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c. NAVMAT was disestablished 6 May 1985 and NAVELEX was disestablished in April 1985. Responsibility for the REWS project was reassigned from the NAVELEX successor, Space and Naval Warfare Systems Command (SPAWAR), to NAVAIR by Joint Memorandum of Agreement of 5 February 1986.

4. Action

a. After transfer of PMA253 from SPAWAR to NAVAIR on 5 February 1986, CAPT Ralph A. Zardeskis, USN, continued as PM of PMA253 to organize and execute the program following the authority and direction provided by references (a) through (f) and enclosure (1). CAPT Zardeskis was designated as PM, within SPAWAR, for this Program during May 1985. The PM receives authority from and is directly responsible and accountable to COMNAVAIR for discharge of the latter's responsibilities as Program Executive Officer (reference (a)). The Program Director Air for Electronic Warfare and Mission Support Programs (PDA12) provides general guidance, coordinative oversight, monitors and evaluates the ongoing performance of the REWSON Program throughout its life cycle, makes recommendations as appropriate, and advises COMNAVAIR of program status and progress. The PM and PDA12 will keep the NAVAIR Acquisition Executive and Deputy Commander for Operations (AIR-01) informed on program status.

b. The functional organizations of NAVAIR will support the PM as specified in references (b) through (d), enclosure (1) and other directives, as applicable, issued by higher authority.

5. Approval. The charter (enclosure (1)) is hereby approved.



J. B. WILKINSON

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CHARTER FOR THE
RECONNAISSANCE AND ELECTRONIC WARFARE
SYSTEMS OFFICE, NAVAIR PROGRAM MANAGER (PMA253)

Ref: (a) DoD Directive 5000.1 of 1 Sep 87
(b) NAVAIRINST 5400.1B
(c) NAVAIRINST 5400.108
(d) NAVAIRINST 5400.14C
(e) SECNAVINST 5000.1C
(f) NMPC ltr 1611 NMPC-323 of 24 Aug 87 (NOTAL)

1. Introduction. This charter provides the mission, authority, and responsibility of the Reconnaissance and Electronic Warfare (EW) Systems Office, NAVAIR (REWSON) program manager (PM), and provides the program's scope, operating relationships, organization, and resources.

2. References. The REWSON Program (PMA253), will be conducted following management principles identified in references (a) through (f).

3. Systems Description

a. Reconnaissance and EW systems are designed to provide fully developed, supportable, and reliable systems which will satisfy approved operational requirements to the operating forces of the Navy and U.S. Marine Corps (USMC).

b. Reconnaissance and EW projects under the management cognizance of the REWSON PM include: all common EW systems; all tactical aircraft electronic intelligence (ELINT) surveillance systems; all tactical aircraft reconnaissance systems; all radio frequency/electro-optical/infrared (RF/EO/IR) warning systems; all RF/EO/IR countermeasures systems (except as noted below in this paragraph); and all expendable dispensing systems/expendable stores and designated single use EW systems (integrated electronic warfare systems) in production, development, or proposed for tactical aircraft applications in the Navy and USMC inventory. Common EW systems are defined as those systems intended for installation and integration into more than one dissimilar aircraft type (F-14, F/A-18, A-6 and various other systems). ELINT surveillance systems are defined as those systems capable of intercept, detailed analysis, and high fidelity recording of special interest RF/EO/IR signals. Tactical aircraft are defined as fighter, attack, and reconnaissance fixed and rotary wing aircraft.

c. Exceptions to the REWSON PM's responsibilities for EW systems as defined in paragraph 3 of this enclosure, are those systems specifically included in the charters of other PMA's within the Naval Air Systems Command (NAVAIR).

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Encl (1)

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